

Frequency Mixer

MWJ-ED13655/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+20dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+17	+20	+23			+17	+20	+23			+17	+20	+23
1054.1	1084.1	7.75	7.58	7.53	1054.1	1084.1	23.61	26.99	28.28	1054.1	1084.1	2.10	1.51	0.98
1063.1	1093.1	7.91	7.93	8.16	1063.1	1093.1	22.49	25.17	27.47	1063.1	1093.1	2.44	1.93	1.25
1072.1	1102.1	8.48	8.64	8.94	1072.1	1102.1	22.27	24.54	26.85	1072.1	1102.1	2.27	1.79	1.17
1081.1	1111.1	9.05	9.19	9.27	1081.1	1111.1	21.98	24.68	27.11	1081.1	1111.1	1.89	1.53	1.14
1090.1	1120.1	9.35	9.42	9.33	1090.1	1120.1	22.63	25.39	26.66	1090.1	1120.1	1.55	1.28	1.05
1130.1	1160.1	7.96	7.67	7.58	1130.1	1160.1	23.36	26.15	30.36	1130.1	1160.1	0.98	0.50	0.29
1175.1	1205.1	7.67	7.53	7.43	1175.1	1205.1	24.13	27.56	31.41	1175.1	1205.1	1.08	0.50	0.27
1205.1	1235.1	7.70	7.55	7.46	1205.1	1235.1	24.81	28.53	32.49	1205.1	1235.1	0.98	0.45	0.22
1250.1	1280.1	7.62	7.47	7.37	1250.1	1280.1	25.54	29.20	33.35	1250.1	1280.1	1.02	0.47	0.22
1295.1	1325.1	7.69	7.54	7.46	1295.1	1325.1	26.68	30.69	34.79	1295.1	1325.1	0.89	0.43	0.19
1340.1	1370.1	7.56	7.43	7.35	1340.1	1370.1	26.68	30.52	34.11	1340.1	1370.1	0.98	0.46	0.21
1385.1	1415.1	7.72	7.60	7.48	1385.1	1415.1	27.71	31.03	33.56	1385.1	1415.1	0.90	0.41	0.21
1430.1	1460.1	7.65	7.50	7.43	1430.1	1460.1	28.44	31.06	32.84	1430.1	1460.1	0.96	0.45	0.19
1475.1	1505.1	7.68	7.57	7.49	1475.1	1505.1	29.10	31.31	32.90	1475.1	1505.1	0.99	0.44	0.20
1520.1	1550.1	7.76	7.67	7.60	1520.1	1550.1	29.10	31.23	32.89	1520.1	1550.1	1.14	0.50	0.24
1565.1	1595.1	7.60	7.49	7.44	1565.1	1595.1	28.87	31.52	33.33	1565.1	1595.1	1.27	0.59	0.28
1610.1	1640.1	7.64	7.56	7.53	1610.1	1640.1	28.48	31.54	33.55	1610.1	1640.1	1.51	0.69	0.31
1655.1	1685.1	7.59	7.50	7.46	1655.1	1685.1	27.92	31.24	34.06	1655.1	1685.1	1.72	0.80	0.35
1700.1	1730.1	7.70	7.60	7.59	1700.1	1730.1	27.49	30.96	34.23	1700.1	1730.1	2.02	0.97	0.40
1745.1	1775.1	7.70	7.60	7.59	1745.1	1775.1	26.85	30.47	34.26	1745.1	1775.1	2.36	1.12	0.46
1775.1	1805.1	7.91	7.82	7.79	1775.1	1805.1	26.46	30.22	33.71	1775.1	1805.1	2.61	1.23	0.52
1820.1	1850.1	7.80	7.69	7.66	1820.1	1850.1	25.88	29.68	33.42	1820.1	1850.1	3.07	1.51	0.63
1865.1	1895.1	7.99	7.87	7.82	1865.1	1895.1	24.94	28.64	31.85	1865.1	1895.1	3.59	1.89	0.80
1910.1	1940.1	8.06	7.91	7.85	1910.1	1940.1	24.34	27.93	31.18	1910.1	1940.1	3.97	2.22	0.94
1955.1	1985.1	8.13	7.96	7.85	1955.1	1985.1	23.16	26.56	29.73	1955.1	1985.1	4.57	2.78	1.29
2000.1	2030.1	8.20	7.99	7.87	2000.1	2030.1	22.07	25.47	28.33	2000.1	2030.1	5.15	3.35	1.74
2045.1	2075.1	8.44	8.19	8.06	2045.1	2075.1	20.91	24.24	27.06	2045.1	2075.1	5.67	3.88	2.22
2090.1	2120.1	8.83	8.64	8.56	2090.1	2120.1	20.60	23.80	26.96	2090.1	2120.1	5.83	4.09	2.40
2135.1	2165.1	9.63	9.44	9.43	2135.1	2165.1	19.90	23.20	26.45	2135.1	2165.1	6.12	4.26	2.50
2180.1	2210.1	10.46	10.31	10.34	2180.1	2210.1	20.35	23.97	27.67	2180.1	2210.1	5.77	3.86	2.15
2225.1	2255.1	10.96	10.75	10.72	2225.1	2255.1	19.84	23.58	27.42	2225.1	2255.1	5.69	3.85	2.21
2270.1	2300.1	11.54	11.32	11.25	2270.1	2300.1	19.43	23.21	27.05	2270.1	2300.1	5.50	3.77	2.27
2315.1	2345.1	11.45	11.17	10.99	2315.1	2345.1	18.08	21.62	25.53	2315.1	2345.1	5.69	4.06	2.62
2345.1	2375.1	11.40	11.09	10.91	2345.1	2375.1	17.03	20.17	23.76	2345.1	2375.1	6.24	4.53	3.06
2390.1	2420.1	11.32	10.93	10.64	2390.1	2420.1	16.88	19.44	22.56	2390.1	2420.1	6.12	4.51	3.12
2435.1	2465.1	11.18	10.69	10.34	2435.1	2465.1	16.35	18.38	21.08	2435.1	2465.1	6.63	5.02	3.53
2480.1	2510.1	11.16	10.66	10.26	2480.1	2510.1	16.64	18.73	21.38	2480.1	2510.1	6.21	4.71	3.37
2525.1	2555.1	11.14	10.57	10.10	2525.1	2555.1	16.25	18.25	21.02	2525.1	2555.1	6.50	4.98	3.60
2570.1	2600.1	11.27	10.65	10.18	2570.1	2600.1	16.15	18.21	21.06	2570.1	2600.1	6.30	4.84	3.56
2600.1	2630.1	11.43	10.69	10.12	2600.1	2630.1	15.24	17.09	19.95	2600.1	2630.1	5.69	4.43	3.24

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1827.1MHz (dB)
		@LO (dBm)
		+20
937.1	890.0	7.44
912.1	915.0	7.51
882.1	945.0	7.20
857.1	970.0	7.33
827.1	1000.0	7.36
791.1	1036.0	7.36
731.1	1096.0	8.39
681.1	1146.0	8.42
631.1	1196.0	7.58
571.1	1256.0	7.75
521.1	1306.0	7.92
461.1	1366.0	8.07
411.1	1416.0	8.25
351.1	1476.0	8.22
301.1	1526.0	8.23
241.1	1586.0	8.21
191.1	1636.0	7.98
141.1	1686.0	7.86
81.1	1746.0	7.75
31.1	1796.0	7.61
10.9	1838.0	7.71
70.9	1898.0	7.70
120.9	1948.0	7.79
180.9	2008.0	8.11
230.9	2058.0	8.41
290.9	2118.0	9.14
340.9	2168.0	10.14
400.9	2228.0	10.55
450.9	2278.0	10.09
510.9	2338.0	9.12
560.9	2388.0	8.65
617.9	2445.0	8.47
667.9	2495.0	8.58
727.9	2555.0	8.73
787.9	2615.0	8.79
837.9	2665.0	9.01
897.9	2725.0	8.84
947.9	2775.0	9.09
1007.9	2835.0	9.11
1057.9	2885.0	9.27

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1054.1MHz (dB)
		@LO (dBm)
		+20
10.9	1065.0	7.69
40.9	1095.0	8.09
85.9	1140.0	8.88
115.9	1170.0	7.57
160.9	1215.0	7.59
190.9	1245.0	7.44
220.9	1275.0	7.36
265.9	1320.0	7.22
295.9	1350.0	7.15
340.9	1395.0	7.03
370.9	1425.0	6.89
415.9	1470.0	6.88
445.9	1500.0	6.76
475.9	1530.0	6.82
520.9	1575.0	6.83
550.9	1605.0	6.89
595.9	1650.0	7.12
625.9	1680.0	7.25
655.9	1710.0	7.49
700.9	1755.0	7.68
730.9	1785.0	7.87
775.9	1830.0	7.96
805.9	1860.0	7.98
835.9	1890.0	7.98
880.9	1935.0	7.93
910.9	1965.0	7.96
955.9	2010.0	8.09
985.9	2040.0	8.06
1025.9	2080.0	8.22
1085.9	2140.0	9.06
1125.9	2180.0	9.69
1185.9	2240.0	10.72
1225.9	2280.0	10.96
1285.9	2340.0	10.98
1325.9	2380.0	10.79
1365.9	2420.0	10.87
1425.9	2480.0	10.97
1465.9	2520.0	11.16
1525.9	2580.0	11.43
1545.9	2600.0	11.39

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2600.1MHz (dB)
		@LO (dBm)
		+20
1580.1	1020.0	11.71
1540.1	1060.0	11.06
1500.1	1100.0	11.27
1460.1	1140.0	12.01
1420.1	1180.0	10.27
1380.1	1220.0	9.92
1340.1	1260.0	9.71
1300.1	1300.0	10.86
1260.1	1340.0	9.59
1220.1	1380.0	9.30
1170.1	1430.0	9.33
1130.1	1470.0	9.17
1090.1	1510.0	9.26
1050.1	1550.0	9.13
1010.1	1590.0	8.97
970.1	1630.0	9.03
930.1	1670.0	9.02
890.1	1710.0	8.99
850.1	1750.0	8.90
810.1	1790.0	8.91
770.1	1830.0	8.90
730.1	1870.0	8.95
690.1	1910.0	9.04
650.1	1950.0	9.15
610.1	1990.0	9.24
570.1	2030.0	9.31
530.1	2070.0	9.37
490.1	2110.0	9.54
450.1	2150.0	9.88
410.1	2190.0	10.51
360.1	2240.0	11.13
320.1	2280.0	11.28
280.1	2320.0	11.14
240.1	2360.0	11.08
200.1	2400.0	10.91
160.1	2440.0	10.80
120.1	2480.0	10.76
80.1	2520.0	10.65
40.1	2560.0	10.73
10.1	2590.0	10.91

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+17	+20	+23	+17	+20	+23
1084.1	53.72	53.55	54.48	53.31	53.77	52.92
1093.1	57.16	58.18	57.29	52.19	51.47	50.50
1102.1	61.41	59.51	57.87	50.68	50.08	49.39
1111.1	60.49	58.55	58.09	49.86	49.17	48.46
1120.1	58.65	58.23	59.21	49.31	48.38	48.25
1160.1	59.87	58.58	57.91	56.77	63.19	64.90
1205.1	57.19	56.19	55.39	79.84	73.81	71.60
1235.1	54.73	54.47	54.46	75.86	79.11	79.66
1280.1	49.54	49.46	49.52	64.93	65.58	65.77
1325.1	46.91	46.80	46.73	60.78	61.68	62.64
1370.1	46.66	46.71	46.90	54.53	54.50	54.34
1415.1	44.67	44.67	44.79	49.26	49.12	48.85
1460.1	45.20	45.39	45.73	48.02	48.09	48.07
1505.1	46.27	46.65	47.27	48.18	48.37	48.41
1550.1	44.24	44.26	44.40	48.62	48.94	49.07
1595.1	42.73	42.48	42.39	48.53	48.89	49.16
1640.1	43.79	43.65	43.61	48.49	48.83	49.17
1685.1	42.70	42.64	42.68	47.71	47.94	48.25
1730.1	43.97	43.82	43.72	47.44	47.57	47.76
1775.1	46.31	45.96	45.59	47.33	47.39	47.50
1805.1	44.95	44.66	44.39	47.35	47.44	47.55
1850.1	44.06	43.78	43.50	47.33	47.50	47.64
1895.1	46.72	46.32	45.75	47.40	47.58	47.74
1940.1	46.14	45.82	45.52	46.92	47.14	47.34
1985.1	44.07	43.61	43.32	46.44	46.68	46.88
2030.1	46.31	45.82	45.52	45.96	46.17	46.35
2075.1	49.30	49.09	48.80	45.23	45.45	45.63
2120.1	50.15	50.24	50.22	44.44	44.71	44.94
2165.1	54.47	53.50	52.58	43.67	44.01	44.34
2210.1	72.72	67.91	62.43	42.27	42.61	42.96
2255.1	52.60	53.84	55.26	42.19	42.52	42.93
2300.1	48.11	48.86	49.72	42.66	42.92	43.39
2345.1	50.59	52.49	54.88	43.89	43.99	44.39
2375.1	49.66	51.42	53.52	45.50	45.48	45.77
2420.1	47.12	48.17	49.24	47.22	47.07	47.30
2465.1	44.66	45.65	46.59	50.24	50.06	50.15
2510.1	45.70	46.96	48.16	52.83	52.62	52.49
2555.1	47.81	49.49	50.99	55.39	55.10	54.70
2600.1	44.65	46.08	47.50	57.64	57.11	56.31
2630.1	46.25	47.91	50.08	60.03	59.48	58.33

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+17	+20	+23
1054.1	1084.1	35.65	35.79	36.56
1063.1	1093.1	36.03	36.47	37.45
1072.1	1102.1	36.35	36.61	37.38
1081.1	1111.1	36.59	37.06	37.55
1090.1	1120.1	36.97	37.36	37.81
1130.1	1160.1	37.14	37.02	37.36
1175.1	1205.1	37.97	38.39	38.79
1205.1	1235.1	38.40	38.70	39.44
1250.1	1280.1	38.34	38.79	39.14
1295.1	1325.1	38.38	38.78	39.02
1340.1	1370.1	37.94	38.15	38.49
1385.1	1415.1	37.56	37.46	37.66
1430.1	1460.1	36.32	36.42	36.53
1475.1	1505.1	35.49	35.54	35.65
1520.1	1550.1	34.78	34.79	34.87
1565.1	1595.1	34.51	34.45	34.42
1610.1	1640.1	34.76	34.72	34.65
1655.1	1685.1	35.41	35.37	35.20
1700.1	1730.1	36.46	36.42	36.40
1745.1	1775.1	37.22	37.41	37.36
1775.1	1805.1	37.77	37.81	37.97
1820.1	1850.1	37.70	37.82	37.92
1865.1	1895.1	38.27	38.49	38.63
1910.1	1940.1	38.62	39.00	39.34
1955.1	1985.1	39.27	39.77	40.17
2000.1	2030.1	39.59	40.19	40.80
2045.1	2075.1	40.00	40.80	41.35
2090.1	2120.1	40.38	41.12	41.82
2135.1	2165.1	41.74	42.26	42.84
2180.1	2210.1	42.99	43.53	44.04
2225.1	2255.1	44.07	44.35	44.74
2270.1	2300.1	46.49	46.85	47.32
2315.1	2345.1	48.93	50.00	50.53
2345.1	2375.1	49.19	50.94	51.43
2390.1	2420.1	50.89	52.49	52.61
2435.1	2465.1	52.83	56.73	59.64
2480.1	2510.1	58.48	62.18	64.28
2525.1	2555.1	59.60	55.02	52.32
2570.1	2600.1	50.88	48.33	46.56
2600.1	2630.1	48.69	46.42	44.89

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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=2600.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+17	+20	+23		+17	+20	+23		+17	+20	+23
1054.1	1084.1	2.63	2.53	2.40	1084.1	3.44	3.43	3.37	10.0	1.22	1.36	1.40
1063.1	1093.1	2.56	2.39	2.21	1093.1	3.37	3.28	3.15	25.0	1.24	1.31	1.41
1072.1	1102.1	2.40	2.23	2.04	1102.1	3.19	3.09	2.97	35.0	1.24	1.32	1.43
1081.1	1111.1	2.25	2.07	1.88	1111.1	3.04	2.96	2.92	50.0	1.25	1.33	1.43
1090.1	1120.1	2.12	1.94	1.79	1120.1	2.98	2.94	2.94	65.0	1.24	1.33	1.43
1130.1	1160.1	2.26	2.20	2.11	1160.1	3.32	3.36	3.34	80.0	1.26	1.36	1.46
1175.1	1205.1	2.19	2.08	1.99	1205.1	3.40	3.39	3.38	90.0	1.25	1.35	1.46
1205.1	1235.1	2.09	1.99	1.89	1235.1	3.35	3.34	3.33	110.0	1.22	1.32	1.44
1250.1	1280.1	1.93	1.83	1.74	1280.1	3.27	3.26	3.24	170.0	1.28	1.36	1.47
1295.1	1325.1	1.83	1.75	1.67	1325.1	3.16	3.15	3.13	210.0	1.29	1.35	1.45
1340.1	1370.1	1.66	1.58	1.51	1370.1	2.98	2.97	2.95	270.0	1.35	1.40	1.48
1385.1	1415.1	1.53	1.45	1.38	1415.1	2.79	2.78	2.77	330.0	1.39	1.39	1.43
1430.1	1460.1	1.40	1.33	1.26	1460.1	2.57	2.56	2.54	390.0	1.45	1.43	1.43
1475.1	1505.1	1.30	1.23	1.17	1505.1	2.35	2.34	2.33	430.0	1.49	1.46	1.45
1520.1	1550.1	1.20	1.13	1.07	1550.1	2.13	2.13	2.11	490.0	1.56	1.51	1.47
1565.1	1595.1	1.18	1.13	1.12	1595.1	1.96	1.96	1.95	550.0	1.61	1.55	1.51
1610.1	1640.1	1.23	1.22	1.23	1640.1	1.82	1.82	1.82	590.0	1.64	1.58	1.52
1655.1	1685.1	1.30	1.31	1.34	1685.1	1.75	1.76	1.77	650.0	1.65	1.58	1.52
1700.1	1730.1	1.36	1.39	1.44	1730.1	1.74	1.75	1.77	710.0	1.67	1.59	1.52
1745.1	1775.1	1.40	1.44	1.50	1775.1	1.81	1.82	1.83	770.0	1.60	1.51	1.43
1775.1	1805.1	1.42	1.48	1.54	1805.1	1.87	1.88	1.89	810.0	1.56	1.47	1.39
1820.1	1850.1	1.43	1.50	1.57	1850.1	2.01	2.02	2.04	870.0	1.50	1.40	1.31
1865.1	1895.1	1.41	1.48	1.56	1895.1	2.16	2.17	2.17	930.0	1.40	1.30	1.20
1910.1	1940.1	1.39	1.46	1.54	1940.1	2.35	2.36	2.37	990.0	1.28	1.17	1.06
1955.1	1985.1	1.32	1.39	1.47	1985.1	2.52	2.52	2.51	1020.0	1.25	1.14	1.05
2000.1	2030.1	1.29	1.38	1.46	2030.1	2.71	2.71	2.72	1080.0	1.18	1.13	1.16
2045.1	2075.1	1.28	1.37	1.46	2075.1	2.85	2.84	2.82	1140.0	1.25	1.27	1.35
2090.1	2120.1	1.43	1.53	1.63	2120.1	2.98	2.98	2.98	1180.0	1.29	1.36	1.47
2135.1	2165.1	1.58	1.69	1.80	2165.1	3.01	2.99	2.95	1240.0	1.44	1.54	1.67
2180.1	2210.1	1.79	1.91	2.03	2210.1	3.04	3.03	3.02	1300.0	1.60	1.74	1.89
2225.1	2255.1	1.97	2.07	2.18	2255.1	3.03	3.01	2.97	1360.0	1.80	1.96	2.15
2270.1	2300.1	2.11	2.20	2.29	2300.1	3.14	3.13	3.12	1400.0	1.93	2.12	2.33
2315.1	2345.1	2.26	2.33	2.40	2345.1	3.28	3.26	3.23	1460.0	2.16	2.37	2.61
2345.1	2375.1	2.32	2.37	2.43	2375.1	3.38	3.35	3.27	1520.0	2.37	2.60	2.86
2390.1	2420.1	2.42	2.47	2.51	2420.1	3.59	3.59	3.58	1560.0	2.57	2.83	3.10
2435.1	2465.1	2.50	2.53	2.56	2465.1	3.68	3.64	3.52	1620.0	2.81	3.08	3.37
2480.1	2510.1	2.57	2.58	2.60	2510.1	3.88	3.86	3.84	1680.0	3.11	3.38	3.67
2525.1	2555.1	2.63	2.62	2.62	2555.1	3.91	3.84	3.70	1740.0	3.32	3.57	3.85
2570.1	2600.1	2.64	2.62	2.60	2600.1	4.07	4.05	4.00	1780.0	3.49	3.73	4.00
2600.1	2630.1	2.69	2.65	2.63	2630.1	4.14	4.12	4.07	1820.0	3.60	3.83	4.08

Harmonics Tables

RF HARMONICS ORDER

Notes: 1. All Harmonics are relative to IF OUTPUT (dBm)
2. + entry denotes harmonics above IF OUTPUT (dBm)

RF CAL	(-dBm)	(-dBc)										
0	---	---	20.53	24.28	31.84	26.03	36.91	58.10	46.58	62.76	55.56	56.56
1	---	25.08	---	36.71	14.12	34.25	31.69	40.99	43.03	52.35	42.66	55.93
2	96.48	60.15	72.43	60.85	68.49	61.05	69.87	65.30	76.40	71.29	85.47	77.83
3	109.94	107.04	77.64	90.97	72.15	92.15	77.86	93.41	92.98	94.61	95.87	106.68
4	108.77	107.89	118.81	106.11	110.97	105.04	111.33	112.47	117.29	111.82	117.87	117.69
5	107.76	119.58	117.59	120.05	116.23	111.87	111.56	113.21	116.17	119.62	114.93	118.10
6	110.74	120.39	119.20	119.68	120.15	117.75	111.28	115.04	114.51	115.69	118.57	120.13
7	111.16	121.40	120.63	119.65	121.52	119.54	116.39	110.58	114.31	113.98	116.02	119.44
8	108.46	120.56	120.21	120.14	119.66	120.23	119.00	116.11	111.87	115.04	112.17	117.36
9	110.42	118.35	119.99	120.43	119.74	117.61	119.91	119.47	116.31	114.62	115.71	112.38
10	110.15	118.91	119.40	120.60	118.09	119.64	117.33	117.86	119.09	118.22	111.26	115.71
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 1175.00 (MHz), 0.00 (dBm);
LO IN: 1205.00 (MHz), 20.00;
IF OUT: 30.00 (MHz), -7.28 (dBm).

RF HARMONICS ORDER

Notes: 1. All Harmonics are relative to IF OUTPUT (dBm)
2. + entry denotes harmonics above IF OUTPUT (dBm)

RF CAL	(-dBm)	(-dBc)										
0	---	---	30.02	32.03	40.94	38.05	46.93	56.50	55.51	59.60	65.60	77.25
1	---	25.13	---	36.58	14.27	34.06	30.97	40.97	45.04	52.55	44.43	57.14
2	86.36	49.92	61.58	49.86	58.17	50.44	60.07	55.23	66.68	61.33	75.71	68.10
3	99.82	89.38	64.52	73.82	54.62	73.03	56.77	71.22	65.62	72.88	76.58	83.19
4	98.65	93.54	105.17	87.76	109.58	88.42	96.28	89.83	94.19	95.68	97.68	96.48
5	97.64	102.91	91.83	100.72	85.85	97.47	86.17	98.53	89.65	100.42	94.16	103.44
6	100.62	110.67	119.51	102.14	119.47	98.80	107.66	99.24	106.28	99.56	111.37	106.95
7	101.04	121.68	106.40	119.14	105.44	117.63	102.12	111.02	99.45	112.01	101.06	116.03
8	98.34	114.66	120.40	115.54	120.54	110.35	120.96	109.44	111.96	106.07	110.68	109.58
9	100.30	117.59	122.38	122.85	120.80	120.81	120.61	121.37	109.91	115.26	112.46	115.20
10	100.03	122.02	122.82	122.62	121.64	121.30	120.57	117.23	118.36	118.03	116.18	118.47
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 1175.00 (MHz), 10.00 (dBm);
LO IN: 1205.00 (MHz), 20.00;
IF OUT: 30.00 (MHz), 2.84 (dBm).

Notes: 1. All Harmonics are in (dBc) relative to IF OUTPUT
2. + entry denotes harmonics are in (dBc) above IF OUTPUT
3. RF Cal represents the Harmonics level of the RF Input Signal to the mixer